# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/04/2018 09/20/2018	Zach Jojola

LM Start		Rating **	Α	Issue No.		2		
LM End		Issue Type +	Ма	Location *		N/A		
Category		GPS La	atitud	e/Longitude				
Category				Start		End		
Item	Operations & Maintenance Manuals				0		0	
пеш					٥		0	
DWR ID	DWR_ST00	001_01_s _ 201	3_2					
		Comn	nent Cod	de				
		Inspecto	or Comm	nent				
The Sacramento Maintenance Yard has copies of the O&M Manuals.								

No Photos

LM Start		Rating **	Α	Issue No.		5	
LM End		Issue Type +	Ma	Location *		N/A	
Category	Category Earthen Levee			GPS Latitude/Longitude			
Category				Start		End	
Item Emergency Supplies & Equipment			0		0		
		it			0		0
DWR ID	DWR_ST00	001_01_s _ 201	3_5				
		Comn	nent Coc	de			

No Photos

## Inspector Comment

The Sacramento Maintenance Yard maintains a stockpile of flood fight materials.

LM Start		Rating **	Α	Issue No.		21	
LM End		Issue Type +	Ма	Location *		N/A	
Category	GPS Latitude/Longitude						
Calegory			Start		End		
Item	Flood Pre		0		0		
itom					0		0
DWR ID	DWR_ST0	001_01_s _ 201	3_21				
		Comn	nent Cod	le			
		Inspecto	or Comm	ent			

No Photos

The Sacramento Maintenance Yard remain current on their emergency response training and practices.

\* Location

LS: Land Side N/A: Not Applicable

WS: Water Side

A : Acceptable
M : Minimally Acceptable

U : Unacceptable

N : Not Inspected/Rated C : Corrected + Issue Type

Ma : Maintenance Deficiancy

Ob : Design & System Obsolescence
En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/04/2018 09/20/2018	Zach Jojola

LM Start	2.07	Rating **	M	Issue No.		55		
LM End	2.07	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS Latitude/Longitude				
Calegory			Start		End			
Item	Encroachi	ments		38.7324	15 °	38.732415°		
пеш				-121.805731 °		-121.805731 °		
DWR ID	DWR ID DWR_ST0001_01_s _ 2018_55							
		Comn	nent Cod	de				
PR : Pruni	ngs							
		Inspecto	or Comm	nent				
Prunings on waterside slope.								
-								
I								

No Photos

LM Start	2.20	Rating **	M	Issue No.		81	
LM End	2.20	Issue Type +	Ma	Location *	WS		
Catagory	evee	GPS Latitude/Longitude					
Category				Start		End	
Item	Encroachments			38.7336	88°	38.733688°	
item				-121.8042	15 °	-121.804215°	
DWR ID	DWR_ST0001_01_s _ 2017_81						

Comment Code

TR: Tree or limb

Inspector Comment

Dead tree stumps on waterside levee slope.

Photo 1 of 1: FA\_2018\_ST0001\_259\_81\_20180904\_00049.jpg



Dead tree stumps on waterside levee slope. Spring 2017.

LM Start	2.27	Rating **	М	Issue No.		37		
LM End	2.27	Issue Type +	Ma	Location *		WS		
Category Earthen Levee				GPS Latitude/Longitude				
Calegory				Start		End		
Item	Encroachments			38.7336	76°	38.733676°		
пеш			-121.802958 °		-121.802958°			
DWR ID	DWR_ST0	001_01_f _ 201	7_37					

Comment Code TR: Tree or limb

Inspector Comment

Wood pile on waterside hinge point.

No Photos

\* Location LS: Land Side

WS: Water Side

N/A: Not Applicable

A : Acceptable M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/04/2018 09/20/2018	Zach Jojola

LM Start	2.40	Rating **	С	Issue No.		31		
LM End		Issue Type +	Ма	Location *		WS		
Catagory	Category				GPS Latitude/Longitude/Lon			
Category				Start		End		
ltom	2017 USACE Erosion Survey,			38.73369	8°		0	
пеш	DRAFT DRAFT				)8 °		0	
DWR ID DWR_ST0001_01_f _ 2018_31								
	Comment Code							

No Photos

Inspector Comment

2017 Site ID: CHC 2.8 L Status: Repaired 2017 Field Notes:

Site History: 2006 - Large new failure. 2008 - Plans for repair currently in the design phase. 2010 - Planned setback levee by CA DWR, 60% design complete, construction planned for 2012. 2011 - Construction delayed to 2013 - 2014. 2016 - Site repaired with a setback levee by CA DWR.

LM Start	2.57	Rating **	A/W	Issue No.		30		
LM End	2.61	Issue Type +	Ma	Location *	WS			
Category	ental		GPS Latitude/Longitude					
Calegory				Start		End		
Item	2017 USACE Erosion Survey,			38.7328	36°	38.732685 °		
пеш	DRAFT		-121.7978	93 °	-121.797154°			
DWR ID DWR_ST0001_01_f _ 2018_30								
	Comment Code							

### Inspector Comment

2017 Site ID: CHC 2.4 L

Status: Critical

2017 Field Notes: No observed change.

Site History: Site identified as CRITICAL in 2002. 2006 - Currently constructing a setback levee. New failures present and extensive. Downstream end of the setback levee did not extend far enough. Upstream end was repaired. 2007 - DWR repaired with a setback levee, but the levee did not go far enough downstream. 2012 - New cracks observed. 2013 - Fresh erosion on upper bank.

DWR Inspector Comment: No observed changes in erosion. Fall 2018.

Photo 1 of 3: FA\_2018\_ST0001\_259\_30\_20180924\_00072.jpg



View of erosion on the waterside toe road. Fall 2018.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/04/2018 09/20/2018	Zach Jojola

LM Start	2.57	Rating **	A/W	Issue No.		30 (cont)		
LM End	2.61	Issue Type +	Ма	Location *	WS			
Category				GPS Latitude/Longitude				
Calegory				Start		End		
Item		CE Erosion S	Survey,	38.732836°		38.732685 °		
пеш	DRAFT			-121.79789	93 °	-121.797154°		
DWR ID	ID DWR_ST0001_01_f _ 2018_30							
Comment Code								

### Inspector Comment

2017 Site ID: CHC 2.4 L

Status: Critical

2017 Field Notes: No observed change.

Site History: Site identified as CRITICAL in 2002. 2006 - Currently constructing a setback levee. New failures present and extensive. Downstream end of the setback levee did not extend far enough. Upstream end was repaired. 2007 - DWR repaired with a setback levee, but the levee did not go far enough downstream. 2012 - New cracks observed. 2013 - Fresh erosion on upper bank.

DWR Inspector Comment: No observed changes in erosion. Fall 2018.

LM Start	2.57	Rating **	A/W	Issue No.	30 (cont)
LM End	2.61	Issue Type +	Ma	Location *	WS

# Photo 2 of 3 : FA\_2018\_ST0001\_259\_30\_20180924\_00073.jpg

Additional view of the erosion, facing downstream. Fall 2018.

Photo 3 of 3: FA\_2018\_ST0001\_259\_30\_20181023\_00033.jpg



USACE 2013 Photo #1

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/04/2018 09/20/2018	Zach Jojola

LM Start	2.84	Rating **	A/W	Issue No.		62		
LM End	2.84	Issue Type +	Ма	Location *		WS		
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Erosion / I		38.7345	14°	38.734514°			
пеш				-121.793418 °		8° -121.793418°		
DWR ID	DWR ID DWR_ST0001_01_s _ 2018_62							
		Comn	nent Cod	de				
E1 : Note a	and monito	r erosion site						
		Inspecto	or Comm	nent				
Erosion on waterside berm and toe road.								

Photo 1 of 5 : FA_2018_ST0001_259_62_20180904_00039.jpg	
06.2018	

View of erosion on toe road, looking towards Cache Creek. Spring 2018.

 LM Start
 2.84
 Rating \*\*
 A/W
 Issue No.
 62 (cont)

 LM End
 2.84
 Issue Type +
 Ma
 Location \*
 WS

Photo 2 of 5 : FA\_2018\_ST0001\_259\_62\_20180904\_00040.jpg



View of erosion looking towards the landside levee slope, facing northeast. Spring 2018.

LM Start	2.84	Rating **	A/W	Issue No.	62 (cont)
LM End	2.84	Issue Type +	Ma	Location *	WS



Downslope view of erosion, facing Cache Creek. Spring 2018.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/04/2018 09/20/2018	Zach Jojola

LM Start	2.84	Rating **	A/W	Issue No.	62 (cont)			
LM End	2.84	Issue Type +	Ma	Location *		WS		
Category	Earthen L	evee		GPS La	atituc	le/Longitude		
Category				Start		End		
Erosion / Bank Caving				38.7345	14°	38.734514°		
item				-121.793418 °		-121.793418 °		
DWR ID	DWR ID DWR_ST0001_01_s _ 2018_62							
		Comn	nent Cod	de				
E1 : Note a	and monito	or erosion site	•					
		Inspecto	or Comm	nent				
Erosion on waterside berm and toe road.								

LM Start	2.84	Rating **	A/W	Issue No.	62 (cont)
LM End	2.84	Issue Type +	Ma	Location *	WS



Additional view of erosion, looking northwest. Spring 2018.

Photo 5 of 5 : FA\_2018\_ST0001\_259\_62\_20180904\_00043.jpg



View of erosion from levee crown, facing Cache Creek. Fall 2018.

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/04/2018 09/20/2018	Zach Jojola

LM Start	3.48	Rating **	С	Issue No.		32	
LM End	3.57	Issue Type +	Ma	Location *		WS	
Supplemental				GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item		CE Erosion S	Survey,	38.732941 °		38.731626°	
пеш	DRAFT			-121.7849	65 °	-121.785231 °	
DWR ID	R ID DWR_ST0001_01_f _ 2018_32						
Comment Code							

No Photos

### Inspector Comment

2017 Site ID: CHC 3.4 L Status: Repaired 2017 Field Notes:

Site History: 2006 - Some significant new erosion, especially fresh upper bank slumping. Still substantial berm. 2010 - Site extended downstream, some new erosion, heavily vegetated and hard to see. Planned setback levee by CA DWR, 60% design complete, construction planned for 2012. 2011 - Construction delayed to 2013 - 2014. 2016 -Site repaired with a setback levee by CA DWR.

LM Start	4.22	Rating **	A/W	Issue No.	34		
LM End	4.23	Issue Type +	Ma	Location *		WS	
Supplemental			GPS Latitude/Longitude				
Category			Start		End		
Item	2017 Stor	m Damage		38.7272	07°	38.727187°	
item				-121.7755	21 °	-121.775450°	
DWR ID DWR_ST0001_01_f _ 2017_34							
Comment Code							

### Inspector Comment

Levee Evaluation Comments

Description:

Site ID No:249

Site Designation:LMA-57

Repair Type: Erosion

Rating: Area of Concern

Field Date:6/2/2017

Notes: setback levee site; remaining berm greater than 86 feet, no section taken, photo only.

Photo 1 of 3: LEVAL\_FA\_2018\_249\_954.jpg



N/A: Not Applicable LS: Land Side WS: Water Side

A: Acceptable Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated

C : Corrected

### + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

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# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/04/2018 09/20/2018	Zach Jojola

LM Start	4.22	Rating **	A/W	Issue No.		34 (cont)		
LM End	4.23	Issue Type +	Ma	Location *	WS			
Supplemental			GPS Latitude/Longitude					
Calegory	llegory			Start		End		
Item	2017 Stor	m Damage		38.72720	)7°	38.727187°		
пеш				-121.77552	21 °	-121.775450°		
DWR ID	/R ID DWR_ST0001_01_f _ 2017_34							
	Comment Code							

### Inspector Comment

Levee Evaluation Comments

Description: Site ID No:249

Site Designation:LMA-57 Repair Type: Erosion Rating:Area of Concern Field Date:6/2/2017

Notes: setback levee site; remaining berm greater than 86 feet, no

section taken, photo only.





Photo 3 of 3: LEVAL\_FA\_2018\_249\_960.jpg



CR : Crown

N : Not Inspected/Rated C : Corrected

+ Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 North Levee	Left	11.69	09/04/2018 09/20/2018	Zach Jojola

LM Start	7.69	Rating **	М	Issue No.		29
LM End	7.69	Issue Type +	Ma	Location *		WS
Category	Earthen Levee			GPS La	atitud	e/Longitude
Category				Start		End
Item	Vegetatio	n		38.7290	27°	38.729027
пеш				-121.7216	83°	-121.721683
DWR ID	DWR_ST00	001_01_s _ 201	5_29			
		Comn	nent Cod	de		
V4 : Elderk	perries are	blocking visib	ility and	flood fight	capa	ability.
		Inspecto	or Comm	nent		

No Photos

LM Start	10.01	Rating **	М	Issue No.		25	
LM End	10.01	Issue Type +	Ma	Location *		WS	
Category	Earthen L	evee		GPS La	atitud	e/Longitude	
Calegory				Start		End	
Item	Animal Co	ontrol		38.7102	96°	38.710296	0
пеш				-121.6974	80°	-121.697480	0
DWR ID	DWR_ST00	001_01_f _ 201	5_25				
		Comn	nent Cod	le			

A3: No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

### Inspector Comment

Approximately 4 holes halfway down the waterside slope.

No Photos

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/20/2018 09/21/2018	Zach Jojola

		D // ++						
LM Start	0.18	Rating **	N	Issue No.		10		
LM End	0.18	Issue Type +	Ma	Location *	LS			
Category Earthen Levee				GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Trim / Thi	n Trees		38.729560°		38.729560°		
пеш	item			-121.805231 °		-121.805231 °		
DWR ID	DWR_ST0	001_02_f _ 201	5_10					
		Comn	nent Cod	de				
T5 : Tree s	tumps.							
Inspector Comment								
The stump is located at the levee toe.								

Photo 1 of 1 : FA\_2018\_ST0001\_260\_10\_20180904\_00010.jpg



View of the tree stump at the landward side of the levee looking downstream. Fall 2015.

LM Start	0.27	Rating **	N	Issue No.		6		
LM End	0.27	Issue Type +	Ma	Location *	LS			
Category	Earthen L	evee		GPS La	atitud	e/Longitude		
Calegory				Start		End		
Item	Trim / Thi		38.7307	'23 °	38.730723°			
пеш				-121.804972 ° -121.8049				
DWR ID	DWR_ST0	001_02_s _ 201	4_6			,		
		Comn	nent Cod	de				
T5 : Tree s	stumps.							
	Inspector Comment							



A large black walnut tree stump is at the toe of the levee. Spring 2014

LM Start	1.65	Rating **	М	Issue No.		38		
LM End	1.65	Issue Type +	Ма	Location *	LS			
Category Earthen Levee				GPS La	atitud	e/Longitude		
Category				Start		End		
Item	Animal Co	ontrol		38.7309	84°	38.730984°		
item				-121.7862	25°	-121.786225°		
DWR ID DWR_ST0001_02_s _ 2018_38								
		Comn	nent Cod	de				
A3 : No roccompact o		le, but rodent rows.	burrows	visible; nee	ed to	backfill and		
		Inspecto	or Comm	nent				
Multiple rodent holes on the landside slope and at the toe.								



View of rodent holes on the landside slope. Spring 2018.

* Location	** Rating		+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiancy Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/20/2018 09/21/2018	Zach Jojola

LM Start	1.68	Rating **	С	Issue No.		35
LM End	1.68	Issue Type +	Ма	Location *		LS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start	End	
Item	Animal Co	ontrol		38.73059	96°	38.730596 °
пеш			-121.78604	41 °	-121.786041 °	
DWR ID DWR_ST0001_02_s _ 2018_35						

Comment Code

A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.

### Inspector Comment

Multiple rodents holes baited by the Sac Yard on landside slope near pruning pile. Recommend backfilling and monitoring.

No Photos

Rating \*\* Issue No. 2.61 М LM Start 36 Issue Type + Location \* LS LM End 2.61 Earthen Levee GPS Latitude/Longitude Category Start Fnd Vegetation 38.724457° 38.724457° Item -121.771757° -121.771757° DWR\_ST0001\_02\_s \_ 2017\_36 DWR ID

Comment Code

V4: Elderberries are blocking visibility and flood fight capability.

### Inspector Comment

Trim elderberry bush on landsiade levee slope.

No Photos

	LM Start	3.53	Rating **	A/W	Issue No.		2		
	LM End	3.60	Issue Type +	Ma	Location *	WS			
	Category Supplemental				GPS Latitude/Longitude				
	Calegory	Category			Start		End		
	Item		CE Erosion S	Survey,	38.7221	38°	38.723294	0	
item		DRAFT			-121.7597	36°	-121.759588	0	
	DWR ID	DWR STO	001 02 f 2018	3 2					

### Inspector Comment

Comment Code

2017 Site ID: CHC 3.5 R

Status: Eroding

2017 Field Notes: Significant amount of debris along bank.

Site History: 2010 - Large slump on the upper berm, a tree has recently

slid down the slope. 2011 - Large slump and new erosion. 2012 -

Slightly steeper slopes and cracks observed.



USACE 2013 Photo #1

\* Location
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown

\*\* Rating
A : Acceptable N : Not Inspected/Rated M : Maintenance Deficiancy Ob : Design & System Obsolescence U : Unacceptable A/W : Acceptable but Monitor & Maintain

\*\* Rating
A : Acceptable C : Corrected Ob : Design & System Obsolescence En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/20/2018 09/21/2018	Zach Jojola

LM Start	3.60	Rating **	М	Issue No.		24
LM End	3.60	Issue Type +	Ma	Location *	WS	
Cotogony	Earthen Levee			GPS La	atitud	e/Longitude
Category				Start		End
Item	Encroach		38.7232	29°	38.723229°	
item				-121.7595	-121.759521°	
DWR ID	DWR_ST0	001_02_s _ 201	8_24			
		Comn	nent Cod	de		
PR : Pruni	ngs					
		Inspecto	or Comm	nent		
Prunings on the waterside slope.						

No Photos

Rating \*\* Issue No. LM Start 4.27 Μ 25 Location \* 4.27 Issue Type + Ма LS LM End Earthen Levee GPS Latitude/Longitude Category Start End Encroachments 38.726237° 38.726237° Item -121.749889° -121.749889° DWR ID DWR\_ST0001\_02\_f \_ 2017\_25 Comment Code

PR : Prunings

Inspector Comment

Prunings on landside slope.

No Photos

LM Start	4.42	Rating **	A/W	Issue No.		4	
LM End	4.42	Issue Type +	Ma	Location *		LS	
Category Earthen Levee				GPS Latitude/Longitude			
Category				Start		End	
Item	Erosion /	Bank Caving		38.726840 ° 38.726			
пеш				-121.7472	28°	-121.747228°	
DWR ID DWR_ST0001_02_f _ 2016_4							
Comment Code							

E1: Note and monitor erosion site.

Inspector Comment

Erosion on LS slope near levee toe. It does not appear to pose a significant threat. Recommend monitoring.

Photo 1 of 1: FA\_2018\_ST0001\_260\_4\_20180904\_00004.jpg



Erosion on LS levee slope toward the toe. Fall 2016.

\*Location

LS: Land Side N/A: Not Applicable
WS: Water Side
CR: Crown

\*\* Rating
A : Acceptable
N : Not Inspected/Rated
M : Maintenance Deficiancy
Ob: Design & System Obsolescence
U: Unacceptable
AW: Acceptable but Monitor & Maintain

\*\* Rating
A: Issue Type
Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 South Levee	Right	11.48	09/20/2018 09/21/2018	Zach Jojola

	<b>5.00</b>	Dating **	A /\A/	Issue No.		44	
LM Start	5.33	Rating **	A/W	issue ivo.		11	
LM End	5.37	Issue Type +	Ma	Location *	WS		
Category			GPS Latitude/Longitude				
Category			Start		End		
ltom	ltem 2017 USACE Erosion Survey, DRAFT			38.7229	33°	38.723467°	
item				-121.760561 °		-121.760436°	
DWR ID	DWR_ST0	001_02_f _ 2018	3_11				
		Comn	nent Cod	de			
	Inspector Comment						
2017 Site	2017 Site ID: CHC 5.4 L						

Status: Eroding

2017 Field Notes: Site continues to erode due to recent high storm events.

Site History: 2009 - Erosion into the levee slope. 2010 - Minor new erosion. 2011 - New erosion and a freshly fallen tree. 2012 - New animal holes and slightly steeper slopes. 2013 - New tree popout and 2 feet of erosion along the top bank.



USACE 2013 Photo #1

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# Sacramento Maintenance Yard Cache Creek

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 East Training Levee of Cache Creek Settling Basin	Left	2.26	09/04/2018 09/04/2018	Zach Jojola

LM Start	0.09	Rating **	Α	Issue No.		2
LM End	0.09	Issue Type +	Ма	Location *		WS
Category Earthen Levee			GPS Latitude/Longitude			
Calegory				Start		End
Item	Vegetatio	n		38.7264	54°	38.726454°
item				-121.7170	31 °	-121.717031 °
DWR ID DWR_ST0001_04_f _ 2018_2						
		_				

### Comment Code

V1: Control annual grass and weeds on the levee slopes and easements.

### Inspector Comment

The Sacramento Maintenance Yard continues to manage the vegetation at an exceptional level.



View of the recently burned and dragged landside slope. Fall 2018.

LM Start	2.26	Rating **	М	Issue No.		1	
LM End	2.26	Issue Type +	Ma	Location *			
Category			GPS Latitude/Longitude				
Category			Start		End		
Item	2017 Stor	m Damage		38.695424°		38.695253°	
пеш				-121.7159	14°	-121.715926°	
DWR ID DWR_ST0001_04_f _ 2017_1							
	Comment Code						

### Inspector Comment

Levee Evaluation Comments

Description: Site ID No:250

Site Designation:LMA-58 Repair Type: Erosion Rating:Area of Concern Field Date:6/2/2017

Notes: training levee end slope where it keys into channel /access

ramp erosion. No change as of fall 2018 inspection.



CR : Crown

LS: Land Side N/A: Not Applicable WS: Water Side

U : Unacceptable

N : Not Inspected/Rated

C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy Ob : Design & System Obsolescence

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 East Training Levee of Cache Creek Settling Basin	Left	2.26	09/04/2018 09/04/2018	Zach Jojola

LM Start	2.26	Rating **	М	Issue No.		1 (cont)	
LM End	2.26	Issue Type +	Ма	Location *			
Category	Suppleme	ental	GPS Latitude/Longitude				
Calegory				Start	End		
Item	2017 Stor	m Damage		38.695424°		38.695253 °	
пеш				-121.71591	14°	-121.715926°	
DWR ID	DWR_ST0	0001_04_f _ 2017_1					
	Comment Code						

### Inspector Comment

Levee Evaluation Comments

Description: Site ID No:250

Site Designation:LMA-58 Repair Type: Erosion Rating:Area of Concern Field Date:6/2/2017

Notes: training levee end slope where it keys into channel /access





Photo 3 of 3: LEVAL\_FA\_2018\_250\_973.jpg



CR : Crown

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain + Issue Type

Ma : Maintenance Deficiancy
Ob : Design & System Obsolescence
En : Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 East Training Levee of Cache Creek Settling Basin	Left	2.26	09/04/2018 09/04/2018	Zach Jojola

LM Start	2.26	Rating **	A/W	Issue No.		3	
LM End	2.26	Issue Type +	Ма	Location *	WS		
Category Earthen Levee			GPS Latitude/Longitude				
Calegory				Start		End	
Erosion / Bank Caving			38.695416°		38.695416 °		
ltem				-121.715943 °		° -121.715943	
DWR ID DWR_ST0001_04_s _ 2017_3							
Comment Code							

E2: Schedule repair of erosion site prior to the next inspection.

### Inspector Comment

Scour on waterside levee slope at end of Unit 04 levee. There is no visible active erosion at this time, however future high water events will likely cause further erosion into the levee prism.

LM Start	2.26	Rating **	A/W	Issue No.	3 (cont)
LM End	2.26	Issue Type +	Ma	Location *	WS



View of scour on waterside levee slope at the end of Unit 4. Spring 2018.

Photo 2 of 4: FA\_2018\_ST0001\_261\_3\_20180904\_00005.jpg



View of newly scoured pond adjacent to the levee. Spring 2018.

LM Start	2.26	Rating **	A/W	Issue No.	3 (cont)
LM End	2.26	Issue Type +	Ma	Location *	WS



View of scour at the end of the Training Levee. Ramp is inaccessible at this time. Fall 2017.

\* Location
LS: Land Side N/A: Not Applicable WS: Water Side CR: Crown

\*\* Rating
A: Acceptable N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
C: Corrected Ob: Design & System Obsolescence
U: Unacceptable A/W: Acceptable but Monitor & Maintain

\*\* Rating
A: Acceptable M: N: Not Inspected/Rated M: Ma: Maintenance Deficiancy
Ob: Design & System Obsolescence
En: Enforcement

# Maintenance Issue Types Only, Levee Inspection Report By Mile - Fall 2018

# **Sacramento Maintenance Yard Cache Creek**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 East Training Levee of Cache Creek Settling Basin	Left	2.26	09/04/2018 09/04/2018	Zach Jojola

LM Start	2.26	Rating **	A/W	Issue No.		3 (cont)	
LM End	2.26	Issue Type +	Ma	Location *		WS	
Cotagon Earthen Levee			GPS Latitude/Longitude				
Category		Start		End			
ltem Erosion / Bank C		Bank Caving	nk Caving		16°	38.695416°	
				-121.715943°		-121.715943°	
DWR ID DWR_ST0001_04_s _ 2017_3							
Comment Code							
E2 : Schedule repair of erosion site prior to the next inspection.							

### Inspector Comment

Scour on waterside levee slope at end of Unit 04 levee. There is no visible active erosion at this time, however future high water events will likely cause further erosion into the levee prism.



Scour on waterside levee slope at end of Unit 04 levee. Spring 2017.